

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Railroad transportation (SIC 4010)			
Scientific and technical personnel.....	11,930	4.9	(nc)
Managers of scientific and technical personnel .....	300	0.1	(nc)
Computer and information systems managers .....	180	0.1	21
Engineering managers .....	120	0.1	23
Scientists .....	1,170	0.5	(nc)
Computer scientists .....	950	0.4	(nc)
Computer software, systems .....	510	0.2	24
Computer systems analysts .....	340	0.1	14
Network and computer systems administrators .....	100	<	13
Mathematical scientists .....	170	0.1	(nc)
Operations and systems researchers and analysts .....	170	0.1	49
Social scientists .....	50	<	(nc)
Market research analysts .....	50	<	27
Engineers .....	6,000	2.5	(nc)
Civil .....	460	0.2	19
Electrical/electronics .....	190	0.1	(nc)
Electrical .....	190	0.1	29
Other engineers .....	5,350	2.2	(nc)
Environmental .....	50	<	17
Safety .....	5,300	2.2	24
Technicians .....	4,460	1.8	(nc)
Computer, numerical tool, and process control programmers .....	200	0.1	(nc)
Computer programmers .....	200	0.1	11
Engineering technicians .....	4,260	1.7	(nc)
Electronical/electronics engineering technicians .....	200	0.1	16
All other engineering technicians .....	4,060	1.7	(nc)
Traffic technicians .....	60	<	12
Transportation inspectors .....	4,000	1.6	6
Local and suburban transportation (SIC 4110)			
Scientific and technical personnel.....	370	0.2	(nc)
Managers of scientific and technical personnel .....	120	0.1	(nc)
Computer and information systems managers .....	120	0.1	8
Scientists .....	80	<	(nc)
Computer scientists .....	80	<	(nc)
Network and computer systems administrators .....	80	<	9
Engineers .....	30	<	(nc)
Civil .....	30	<	26

See explanatory information and SOURCE at end of table.

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Local and suburban transportation (SIC 4110) -- continued:			
Technicians .....	140	0.1	(nc)
Computer, numerical tool, and process control programmers .....	60	<	(nc)
Computer programmers .....	60	<	12
Engineering technicians .....	80	<	(nc)
All other engineering technicians .....	80	<	(nc)
Transportation inspectors .....	80	<	4
Trucking and courier services, excl. air (SIC 4210)			
Scientific and technical personnel.....	4,100	0.3	(nc)
Managers of scientific and technical personnel .....	940	0.1	(nc)
Computer and information systems managers .....	840	0.1	7
Engineering managers .....	100	<	22
Scientists .....	1,060	0.1	(nc)
Computer scientists .....	820	0.1	(nc)
Computer systems analysts .....	290	<	31
Network and computer systems administrators .....	480	<	6
Network systems/data communications analysts .....	50	<	18
Mathematical scientists .....	90	<	(nc)
Operations and systems researchers and analysts .....	90	<	14
Social scientists .....	150	<	(nc)
Economists .....	50	<	25
Market research analysts .....	100	<	15
Engineers .....	310	<	(nc)
Sales .....	130	<	16
Other engineers .....	180	<	(nc)
Safety .....	180	<	8
Technicians .....	1,790	0.1	(nc)
Computer, numerical tool, and process control programmers .....	1,110	0.1	(nc)
Computer programmers .....	1,110	0.1	11
Engineering technicians .....	680	<	(nc)
All other engineering technicians .....	680	<	(nc)
Transportation inspectors .....	680	<	18
Public warehousing and storage (SIC 4220)			
Scientific and technical personnel.....	1,940	0.9	(nc)
Managers of scientific and technical personnel .....	510	0.2	(nc)
Computer and information systems managers .....	420	0.2	10
Engineering managers .....	90	<	8

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Public warehousing and storage (SIC 4220) -- continued:			
Scientists .....	1,000	0.5	(nc)
Computer scientists .....	960	0.4	(nc)
Computer software, applications .....	130	0.1	38
Computer software, systems .....	130	0.1	49
Computer systems analysts .....	130	0.1	21
Network and computer systems administrators .....	480	0.2	18
Network systems/data communications analysts .....	90	<	20
Mathematical scientists .....	40	<	(nc)
Operations and systems researchers and analysts .....	40	<	25
Engineers .....	80	<	(nc)
Industrial .....	30	<	19
Other engineers .....	50	<	(nc)
Safety .....	50	<	9
Technicians .....	350	0.2	(nc)
Computer, numerical tool, and process control programmers .....	350	0.2	(nc)
Computer programmers .....	350	0.2	11
Trucking terminal facilities (SIC 4230)			
Scientific and technical personnel.....	50	0.5	(nc)
Technicians .....	50	0.5	(nc)
Engineering technicians .....	50	0.5	(nc)
All other engineering technicians .....	50	0.5	(nc)
Transportation inspectors .....	50	0.5	24
Deep sea foreign transportation of freight (SIC 4410)			
Scientific and technical personnel.....	610	4.6	(nc)
Managers of scientific and technical personnel .....	220	1.7	(nc)
Computer and information systems managers .....	130	1.0	16
Engineering managers .....	90	0.7	32
Scientists .....	50	0.4	(nc)
Computer scientists .....	50	0.4	(nc)
Network and computer systems administrators .....	50	0.4	15
Engineers .....	100	0.8	(nc)
Other engineers .....	100	0.8	(nc)
Marine .....	100	0.8	24
Technicians .....	240	1.8	(nc)
Computer, numerical tool, and process control programmers .....	240	1.8	(nc)
Computer programmers .....	240	1.8	24

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Deep sea domestic transportation of freight (SIC 4420)			
Scientific and technical personnel.....	200	3.0	(nc)
Managers of scientific and technical personnel .....	40	0.6	(nc)
Computer and information systems managers .....	40	0.6	10
Engineers .....	110	1.7	(nc)
Other engineers .....	110	1.7	(nc)
Marine .....	110	1.7	11
Technicians .....	50	0.8	(nc)
Computer, numerical tool, and process control programmers .....	50	0.8	(nc)
Computer programmers .....	50	0.8	13
Water transportation of freight, n.e.c. (SIC 4440)			
Scientific and technical personnel.....	100	0.7	(nc)
Engineers .....	100	0.7	(nc)
Other engineers .....	100	0.7	(nc)
Marine .....	100	0.7	26
Water transportation of passengers (SIC 4480)			
Scientific and technical personnel.....	250	1.1	(nc)
Managers of scientific and technical personnel .....	50	0.2	(nc)
Computer and information systems managers .....	50	0.2	22
Engineers .....	200	0.9	(nc)
Other engineers .....	200	0.9	(nc)
Marine .....	200	0.9	49
Water transportation services (SIC 4490)			
Scientific and technical personnel.....	290	0.2	(nc)
Managers of scientific and technical personnel .....	90	0.1	(nc)
Computer and information systems managers .....	40	<	19
Engineering managers .....	50	<	20
Technicians .....	200	0.2	(nc)
Engineering technicians .....	200	0.2	(nc)
All other engineering technicians .....	200	0.2	(nc)
Transportation inspectors .....	200	0.2	29

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Air transportation, scheduled (SIC 4510)			
Scientific and technical personnel.....	19,550	1.8	(nc)
Managers of scientific and technical personnel .....	1,990	0.2	(nc)
Computer and information systems managers .....	1,410	0.1	16
Engineering managers .....	580	0.1	6
Scientists .....	7,200	0.7	(nc)
Computer scientists .....	4,880	0.5	(nc)
Computer software, applications .....	1,470	0.1	21
Computer software, systems .....	330	<	7
Computer systems analysts .....	1,530	0.1	11
Network and computer systems administrators .....	800	0.1	18
Network systems/data communications analysts .....	750	0.1	12
Mathematical scientists .....	1,120	0.1	(nc)
Operations and systems researchers and analysts .....	1,120	0.1	30
Physical scientists .....	110	<	(nc)
Atmospheric and space scientists .....	110	<	3
Social scientists .....	1,090	0.1	(nc)
Market research analysts .....	1,090	0.1	22
Engineers .....	4,460	0.4	(nc)
Aeronautical .....	3,990	0.4	23
Civil .....	50	<	24
Industrial .....	330	<	12
Other engineers .....	90	<	(nc)
Safety .....	90	<	12
Technicians .....	5,900	0.6	(nc)
Computer, numerical tool, and process control programmers .....	3,070	0.3	(nc)
Computer programmers .....	3,070	0.3	12
Engineering technicians .....	2,830	0.3	(nc)
Electronical/electronics engineering technicians .....	130	<	8
Industrial engineering technicians .....	240	<	18
All other engineering technicians .....	2,460	0.2	(nc)
Transportation inspectors .....	2,460	0.2	8
Air transportation, nonscheduled (SIC 4520)			
Scientific and technical personnel.....	250	0.5	(nc)
Managers of scientific and technical personnel .....	40	0.1	(nc)
Computer and information systems managers .....	40	0.1	23
Scientists .....	60	0.1	(nc)
Computer scientists .....	60	0.1	(nc)
Network and computer systems administrators .....	60	0.1	18

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Air transportation, nonscheduled (SIC 4520) -- continued:			
Engineers .....	30	0.1	(nc)
Aeronautical .....	30	0.1	12
Technicians .....	120	0.3	(nc)
Computer, numerical tool, and process control programmers .....	40	0.1	(nc)
Computer programmers .....	40	0.1	45
Engineering technicians .....	80	0.2	(nc)
All other engineering technicians .....	80	0.2	(nc)
Transportation inspectors .....	80	0.2	17
Airports, flying fields, and services (SIC 4580)			
Scientific and technical personnel.....	3,380	2.4	(nc)
Managers of scientific and technical personnel .....	200	0.1	(nc)
Computer and information systems managers .....	100	0.1	10
Engineering managers .....	100	0.1	15
Scientists .....	470	0.3	(nc)
Computer scientists .....	310	0.2	(nc)
Computer software, applications .....	40	<	33
Computer systems analysts .....	60	<	30
Network and computer systems administrators .....	160	0.1	16
Network systems/data communications analysts .....	50	<	34
Physical scientists .....	120	0.1	(nc)
Atmospheric and space scientists .....	120	0.1	5
Social scientists .....	40	<	(nc)
Market research analysts .....	40	<	27
Engineers .....	750	0.5	(nc)
Aeronautical .....	410	0.3	15
Electrical/electronics .....	80	0.1	(nc)
Electrical .....	50	<	21
Electronics .....	30	<	18
Industrial .....	70	0.1	27
Mechanical .....	90	0.1	26
Other engineers .....	100	0.1	(nc)
Safety .....	100	0.1	29
Technicians .....	1,960	1.4	(nc)
Computer, numerical tool, and process control programmers .....	180	0.1	(nc)
Computer programmers .....	180	0.1	13
Engineering technicians .....	1,780	1.3	(nc)
Aerospace engineering and operations technicians .....	230	0.2	22
Electronical/electronics engineering technicians .....	240	0.2	20
Industrial engineering technicians .....	40	<	45
Mechanical engineering technicians .....	50	<	45
All other engineering technicians .....	1,220	0.9	(nc)
Transportation inspectors .....	1,220	0.9	13

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Pipelines, except natural gas (SIC 4610)			
Scientific and technical personnel.....	1,080	7.9	(nc)
Managers of scientific and technical personnel .....	90	0.7	(nc)
Engineering managers .....	90	0.7	10
Scientists .....	60	0.4	(nc)
Computer scientists .....	60	0.4	(nc)
Computer systems analysts .....	60	0.4	14
Engineers .....	580	4.2	(nc)
Civil .....	170	1.2	18
Electrical/electronics .....	100	0.7	(nc)
Electrical .....	100	0.7	19
Industrial .....	60	0.4	14
Mechanical .....	60	0.4	13
Other engineers .....	190	1.4	(nc)
Environmental .....	70	0.5	12
Petroleum .....	70	0.5	18
Safety .....	50	0.4	19
Technicians .....	350	2.6	(nc)
Computer, numerical tool, and process control programmers .....	80	0.6	(nc)
Computer programmers .....	80	0.6	27
Engineering technicians .....	150	1.1	(nc)
Electronical/electronics engineering technicians .....	120	0.9	40
Mechanical engineering technicians .....	30	0.2	22
Physical and life science technicians .....	120	0.9	(nc)
Chemical technicians, except health .....	120	0.9	41
Passenger transportation arrangements (SIC 4720)			
Scientific and technical personnel.....	3,340	1.7	(nc)
Managers of scientific and technical personnel .....	510	0.3	(nc)
Computer and information systems managers .....	510	0.3	16
Scientists .....	1,840	1.0	(nc)
Computer scientists .....	1,700	0.9	(nc)
Computer software, applications .....	60	<	29
Computer systems analysts .....	1,020	0.5	15
Network and computer systems administrators .....	490	0.3	17
Network systems/data communications analysts .....	130	0.1	14
Mathematical scientists .....	40	<	(nc)
Operations and systems researchers and analysts .....	40	<	18
Social scientists .....	100	0.1	(nc)
Market research analysts .....	100	0.1	19

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Passenger transportation arrangements (SIC 4720) -- continued:			
Engineers .....	180	0.1	(nc)
Computer .....	180	0.1	43
Technicians .....	810	0.4	(nc)
Computer, numerical tool, and process control programmers .....	810	0.4	(nc)
Computer programmers .....	810	0.4	16
Freight transportation arrangements (SIC 4730)			
Scientific and technical personnel.....	2,480	1.3	(nc)
Managers of scientific and technical personnel .....	450	0.2	(nc)
Computer and information systems managers .....	450	0.2	9
Scientists .....	660	0.4	(nc)
Computer scientists .....	440	0.2	(nc)
Computer systems analysts .....	90	0.1	15
Network and computer systems administrators .....	260	0.1	12
Network systems/data communications analysts .....	90	0.1	19
Mathematical scientists .....	130	0.1	(nc)
Operations and systems researchers and analysts .....	130	0.1	25
Social scientists .....	90	0.1	(nc)
Market research analysts .....	90	0.1	45
Engineers .....	130	0.1	(nc)
Sales .....	40	<	48
Other engineers .....	90	0.1	(nc)
Marine .....	40	<	33
Safety .....	50	<	18
Technicians .....	1,240	0.7	(nc)
Computer, numerical tool, and process control programmers .....	980	0.5	(nc)
Computer programmers .....	980	0.5	9
Engineering technicians .....	260	0.1	(nc)
All other engineering technicians .....	260	0.1	(nc)
Transportation inspectors .....	260	0.1	28
Rental of railroad cars (SIC 4740)			
Scientific and technical personnel.....	40	2.1	(nc)
Engineers .....	40	2.1	(nc)
Mechanical .....	40	2.1	36

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Misc. transportation services (SIC 4780)			
Scientific and technical personnel.....	1,170	2.2	(nc)
Engineers .....	140	0.3	(nc)
Industrial .....	40	0.1	36
Other engineers .....	100	0.2	(nc)
Marine .....	100	0.2	33
Technicians .....	1,030	1.9	(nc)
Engineering technicians .....	760	1.4	(nc)
All other engineering technicians .....	760	1.4	(nc)
Transportation inspectors .....	760	1.4	11
Physical and life science technicians .....	40	0.1	(nc)
Chemical technicians, except health .....	40	0.1	17
Surveying, cartographic, photogrammetric, and mapping technicians .....	230	0.4	(nc)
Surveyors .....	230	0.4	48
Telephone communications (SIC 4810)			
Scientific and technical personnel.....	134,540	11.8	(nc)
Managers of scientific and technical personnel .....	13,390	1.2	(nc)
Computer and information systems managers .....	6,750	0.6	6
Engineering managers .....	6,640	0.6	6
Scientists .....	66,340	5.8	(nc)
Computer scientists .....	59,350	5.2	(nc)
Computer and information scientists, research .....	310	<	50
Computer software, applications .....	9,500	0.8	8
Computer software, systems .....	19,040	1.7	10
Computer systems analysts .....	10,410	0.9	6
Network and computer systems administrators .....	12,660	1.1	9
Network systems/data communications analysts .....	7,430	0.7	6
Mathematical scientists .....	1,820	0.2	(nc)
Operations and systems researchers and analysts .....	1,780	0.2	9
Statisticians .....	40	<	21
Social scientists .....	5,170	0.5	(nc)
Economists .....	290	<	14
Market research analysts .....	4,880	0.4	9

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Telephone communications (SIC 4810) -- continued:			
Engineers .....	31,770	2.8	(nc)
Civil .....	450	<	11
Computer .....	4,380	0.4	8
Electrical/electronics .....	22,710	2.0	(nc)
Electrical .....	4,960	0.4	12
Electronics .....	17,750	1.6	8
Industrial .....	1,000	0.1	13
Mechanical .....	90	<	24
Sales .....	3,050	0.3	10
Other engineers .....	90	<	(nc)
Safety .....	90	<	39
Technicians .....	23,040	2.0	(nc)
Computer, numerical tool, and process control programmers .....	3,640	0.3	(nc)
Computer programmers .....	3,640	0.3	7
Drafters .....	1,130	0.1	(nc)
Architectural and civil drafters .....	120	<	20
Electrical and electronics drafters .....	800	0.1	7
Mechanical drafters .....	210	<	14
Engineering technicians .....	18,270	1.6	(nc)
Civil engineering technicians .....	1,110	0.1	18
Electronical/electronics engineering technicians .....	16,680	1.5	9
Mechanical engineering technicians .....	110	<	16
All other engineering technicians .....	370	<	(nc)
Audio and video equipment technicians .....	180	<	22
Broadcast technicians .....	190	<	48
Telegraph and other communications (SIC 4820)			
Scientific and technical personnel.....	3,920	29.6	(nc)
Managers of scientific and technical personnel .....	630	4.8	(nc)
Computer and information systems managers .....	520	3.9	24
Engineering managers .....	110	0.8	23
Scientists .....	2,140	16.1	(nc)
Computer scientists .....	2,090	15.8	(nc)
Computer software, applications .....	390	2.9	29
Computer software, systems .....	230	1.7	29
Computer systems analysts .....	980	7.4	30
Network and computer systems administrators .....	170	1.3	27
Network systems/data communications analysts .....	320	2.4	34
Social scientists .....	50	0.4	(nc)
Market research analysts .....	50	0.4	20
Engineers .....	70	0.5	(nc)
Sales .....	70	0.5	43

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Telegraph and other communications (SIC 4820) -- continued:			
Technicians .....	1,080	8.1	(nc)
Computer, numerical tool, and process control programmers .....	260	2.0	(nc)
Computer programmers .....	260	2.0	16
Engineering technicians .....	820	6.2	(nc)
Electronical/electronics engineering technicians .....	820	6.2	16
Radio and television broadcasting (SIC 4830)			
Scientific and technical personnel.....	34,790	13.9	(nc)
Managers of scientific and technical personnel .....	2,180	0.9	(nc)
Computer and information systems managers .....	800	0.3	10
Engineering managers .....	1,380	0.6	5
Scientists .....	2,630	1.1	(nc)
Computer scientists .....	1,650	0.7	(nc)
Computer and information scientists, research .....	60	<	30
Computer software, applications .....	150	0.1	12
Computer software, systems .....	140	0.1	25
Computer systems analysts .....	190	0.1	15
Network and computer systems administrators .....	550	0.2	9
Network systems/data communications analysts .....	560	0.2	8
Mathematical scientists .....	90	<	(nc)
Operations and systems researchers and analysts .....	90	<	27
Physical scientists .....	430	0.2	(nc)
Atmospheric and space scientists .....	430	0.2	8
Social scientists .....	460	0.2	(nc)
Market research analysts .....	460	0.2	9
Engineers .....	1,900	0.8	(nc)
Computer .....	70	<	13
Electrical/electronics .....	1,330	0.5	(nc)
Electrical .....	290	0.1	17
Electronics .....	1,040	0.4	30
Industrial .....	450	0.2	39
Mechanical .....	50	<	46
Technicians .....	28,080	11.2	(nc)
Computer, numerical tool, and process control programmers .....	350	0.1	(nc)
Computer programmers .....	350	0.1	12
Engineering technicians .....	27,730	11.1	(nc)
Electronical/electronics engineering technicians .....	1,610	0.6	7
All other engineering technicians .....	26,120	10.4	(nc)
Audio and video equipment technicians .....	4,160	1.7	6
Broadcast technicians .....	21,960	8.8	5

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Cable and other pay TV services (SIC 4840)			
Scientific and technical personnel.....	15,610	6.8	(nc)
Managers of scientific and technical personnel .....	1,950	0.9	(nc)
Computer and information systems managers .....	1,030	0.5	9
Engineering managers .....	920	0.4	8
Scientists .....	5,140	2.2	(nc)
Computer scientists .....	4,440	1.9	(nc)
Computer and information scientists, research .....	30	<	24
Computer software, applications .....	530	0.2	11
Computer software, systems .....	270	0.1	10
Computer systems analysts .....	490	0.2	9
Network and computer systems administrators .....	1,660	0.7	15
Network systems/data communications analysts .....	1,460	0.6	11
Mathematical scientists .....	90	<	(nc)
Operations and systems researchers and analysts .....	90	<	19
Physical scientists .....	80	<	(nc)
Atmospheric and space scientists .....	80	<	14
Social scientists .....	530	0.2	(nc)
Market research analysts .....	530	0.2	10
Engineers .....	1,470	0.7	(nc)
Computer .....	270	0.1	18
Electrical/electronics .....	790	0.4	(nc)
Electrical .....	290	0.1	14
Electronics .....	500	0.2	16
Industrial .....	280	0.1	19
Mechanical .....	40	<	25
Sales .....	60	<	17
Other engineers .....	30	<	(nc)
Safety .....	30	<	22
Technicians .....	7,050	3.1	(nc)
Computer, numerical tool, and process control programmers .....	370	0.2	(nc)
Computer programmers .....	370	0.2	13
Drafters .....	490	0.2	(nc)
Architectural and civil drafters .....	40	<	25
Electrical and electronics drafters .....	380	0.2	11
Mechanical drafters .....	70	<	31
Engineering technicians .....	6,190	2.7	(nc)
Electronical/electronics engineering technicians .....	1,710	0.8	10
Industrial engineering technicians .....	130	0.1	31
All other engineering technicians .....	4,350	1.9	(nc)
Audio and video equipment technicians .....	1,640	0.7	15
Broadcast technicians .....	2,710	1.2	12

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Communications services, n.e.c. (SIC 4890)			
Scientific and technical personnel.....	5,220	15.6	(nc)
Managers of scientific and technical personnel .....	600	1.8	(nc)
Computer and information systems managers .....	340	1.0	14
Engineering managers .....	260	0.8	15
Scientists .....	1,670	5.0	(nc)
Computer scientists .....	1,640	4.9	(nc)
Computer software, applications .....	280	0.8	17
Computer software, systems .....	560	1.7	16
Computer systems analysts .....	200	0.6	14
Network and computer systems administrators .....	500	1.5	16
Network systems/data communications analysts .....	100	0.3	10
Social scientists .....	30	0.1	(nc)
Market research analysts .....	30	0.1	18
Engineers .....	1,010	3.0	(nc)
Computer .....	100	0.3	13
Electrical/electronics .....	780	2.3	(nc)
Electrical .....	250	0.7	28
Electronics .....	530	1.6	30
Industrial .....	130	0.4	23
Technicians .....	1,940	5.8	(nc)
Computer, numerical tool, and process control programmers .....	100	0.3	(nc)
Computer programmers .....	100	0.3	16
Drafters .....	110	0.3	(nc)
Electrical and electronics drafters .....	110	0.3	18
Engineering technicians .....	1,690	5.0	(nc)
Electronical/electronics engineering technicians .....	1,150	3.4	30
All other engineering technicians .....	540	1.6	(nc)
Audio and video equipment technicians .....	70	0.2	22
Broadcast technicians .....	470	1.4	30
Surveying, cartographic, photogrammetric, and mapping technicians .....	40	0.1	(nc)
Cartographers and photogrammetrists .....	40	0.1	49
Electric services (SIC 4910)			
Scientific and technical personnel.....	48,260	13.2	(nc)
Managers of scientific and technical personnel .....	4,660	1.3	(nc)
Computer and information systems managers .....	1,050	0.3	7
Engineering managers .....	3,260	0.9	8
Natural sciences managers .....	350	0.1	34

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Electric services (SIC 4910) -- continued:			
Scientists .....	10,140	2.8	(nc)
Computer scientists .....	6,540	1.8	(nc)
Computer and information scientists, research .....	30	<	16
Computer software, applications .....	1,020	0.3	12
Computer software, systems .....	550	0.2	15
Computer systems analysts .....	2,650	0.7	11
Network and computer systems administrators .....	1,040	0.3	9
Network systems/data communications analysts .....	1,250	0.3	16
Life scientists .....	130	<	(nc)
Foresters .....	130	<	13
Mathematical scientists .....	910	0.3	(nc)
Operations and systems researchers and analysts .....	910	0.3	20
Physical scientists .....	1,320	0.4	(nc)
Chemists .....	490	0.1	19
Environmental scientists and specialists, including health .....	720	0.2	19
Physicists .....	110	<	12
Social scientists .....	1,240	0.3	(nc)
Market research analysts .....	1,150	0.3	6
Urban and regional planners .....	90	<	10
Engineers .....	17,130	4.7	(nc)
Civil .....	1,420	0.4	13
Computer .....	160	<	32
Electrical/electronics .....	6,500	1.8	(nc)
Electrical .....	5,970	1.6	5
Electronics .....	530	0.2	20
Industrial .....	880	0.2	11
Mechanical .....	850	0.2	8
Sales .....	90	<	13
Other engineers .....	7,230	2.0	(nc)
Chemical .....	110	<	8
Environmental .....	380	0.1	9
Metallurgical/metallurgists .....	60	<	22
Mining and geological .....	140	<	24
Nuclear .....	5,660	1.6	12
Petroleum .....	400	0.1	28
Safety .....	480	0.1	6
Technicians .....	16,330	4.5	(nc)
Computer, numerical tool, and process control programmers .....	2,060	0.6	(nc)
Computer programmers .....	2,060	0.6	8
Drafters .....	1,770	0.5	(nc)
Architectural and civil drafters .....	140	<	23
Electrical and electronics drafters .....	1,110	0.3	7
Mechanical drafters .....	520	0.1	13

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Electric services (SIC 4910) -- continued:			
Engineering technicians .....	6,800	1.9	(nc)
Civil engineering technicians .....	930	0.3	15
Electronical/electronics engineering technicians .....	4,360	1.2	4
Electro-mechanical technicians .....	360	0.1	13
Environmental engineering technicians .....	320	0.1	9
Industrial engineering technicians .....	510	0.1	39
Mechanical engineering technicians .....	270	0.1	14
All other engineering technicians .....	50	<	(nc)
Audio and video equipment technicians .....	50	<	27
Mathematical technicians .....	30	<	18
Physical and life science technicians .....	3,870	1.1	(nc)
Chemical technicians, except health .....	1,030	0.3	6
Environmental science and protection technicians, including health .....	520	0.1	9
Geological and petroleum technicians .....	160	<	27
Nuclear technicians .....	2,160	0.6	13
Surveying, cartographic, photogrammetric, and mapping technicians .....	1,800	0.5	(nc)
Cartographers and photogrammetrists .....	180	0.1	17
Surveying and mapping technicians .....	1,210	0.3	6
Surveyors .....	410	0.1	9
Gas production and distribution (SIC 4920)			
Scientific and technical personnel.....	9,250	7.4	(nc)
Managers of scientific and technical personnel .....	1,070	0.9	(nc)
Computer and information systems managers .....	450	0.4	10
Engineering managers .....	620	0.5	7
Scientists .....	2,330	1.9	(nc)
Computer scientists .....	1,680	1.4	(nc)
Computer software, applications .....	370	0.3	10
Computer software, systems .....	130	0.1	23
Computer systems analysts .....	670	0.5	22
Network and computer systems administrators .....	270	0.2	11
Network systems/data communications analysts .....	240	0.2	20
Mathematical scientists .....	50	<	(nc)
Operations and systems researchers and analysts .....	50	<	39
Physical scientists .....	40	<	(nc)
Environmental scientists and specialists, including health .....	40	<	34
Social scientists .....	560	0.5	(nc)
Market research analysts .....	560	0.5	10

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Gas production and distribution (SIC 4920) -- continued:			
Engineers .....	2,730	2.2	(nc)
Civil .....	410	0.3	9
Electrical/electronics .....	470	0.4	(nc)
Electrical .....	410	0.3	18
Electronics .....	60	0.1	23
Industrial .....	110	0.1	13
Mechanical .....	400	0.3	15
Other engineers .....	1,340	1.1	(nc)
Chemical .....	550	0.4	34
Environmental .....	240	0.2	20
Metallurgical/metallurgists .....	80	0.1	26
Nuclear .....	30	<	44
Petroleum .....	290	0.2	26
Safety .....	150	0.1	12
Technicians .....	3,120	2.5	(nc)
Computer, numerical tool, and process control programmers .....	720	0.6	(nc)
Computer programmers .....	720	0.6	19
Drafters .....	470	0.4	(nc)
Architectural and civil drafters .....	180	0.1	19
Electrical and electronics drafters .....	160	0.1	19
Mechanical drafters .....	130	0.1	37
Engineering technicians .....	850	0.7	(nc)
Civil engineering technicians .....	210	0.2	13
Electronical/electronics engineering technicians .....	490	0.4	19
Environmental engineering technicians .....	80	0.1	16
Mechanical engineering technicians .....	70	0.1	17
Physical and life science technicians .....	490	0.4	(nc)
Chemical technicians, except health .....	90	0.1	25
Environmental science and protection technicians, including health .....	90	0.1	18
Geological and petroleum technicians .....	310	0.3	22
Surveying, cartographic, photogrammetric, and mapping technicians .....	590	0.5	(nc)
Surveying and mapping technicians .....	370	0.3	13
Surveyors .....	220	0.2	21
Combination utility services (SIC 4930)			
Scientific and technical personnel.....	18,870	13.0	(nc)
Managers of scientific and technical personnel .....	1,570	1.1	(nc)
Computer and information systems managers .....	550	0.4	16
Engineering managers .....	980	0.7	7
Natural sciences managers .....	40	<	23

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Combination utility services (SIC 4930) -- continued:			
Scientists .....	3,760	2.6	(nc)
Computer scientists .....	3,120	2.1	(nc)
Computer software, applications .....	590	0.4	11
Computer software, systems .....	60	<	9
Computer systems analysts .....	1,940	1.3	14
Network and computer systems administrators .....	270	0.2	6
Network systems/data communications analysts .....	260	0.2	11
Life scientists .....	70	0.1	(nc)
Foresters .....	70	0.1	12
Mathematical scientists .....	100	0.1	(nc)
Operations and systems researchers and analysts .....	100	0.1	9
Physical scientists .....	270	0.2	(nc)
Chemists .....	90	0.1	25
Environmental scientists and specialists, including health .....	140	0.1	9
Geoscientists, except hydrologists and geographers .....	40	<	18
Social scientists .....	200	0.1	(nc)
Market research analysts .....	200	0.1	11
Engineers .....	5,890	4.0	(nc)
Civil .....	240	0.2	12
Electrical/electronics .....	3,200	2.2	(nc)
Electrical .....	3,110	2.1	8
Electronics .....	90	0.1	10
Industrial .....	350	0.2	15
Mechanical .....	410	0.3	20
Other engineers .....	1,690	1.2	(nc)
Chemical .....	90	0.1	9
Environmental .....	210	0.1	12
Metallurgical/metallurgists .....	40	<	38
Nuclear .....	1,000	0.7	20
Petroleum .....	220	0.2	14
Safety .....	130	0.1	6
Technicians .....	7,650	5.3	(nc)
Computer, numerical tool, and process control programmers .....	520	0.4	(nc)
Computer programmers .....	520	0.4	13
Drafters .....	1,410	1.0	(nc)
Architectural and civil drafters .....	60	<	31
Electrical and electronics drafters .....	1,320	0.9	10
Mechanical drafters .....	30	<	33
Engineering technicians .....	4,030	2.8	(nc)
Civil engineering technicians .....	180	0.1	16
Electronical/electronics engineering technicians .....	3,110	2.1	5
Electro-mechanical technicians .....	120	0.1	12
Environmental engineering technicians .....	370	0.3	14
Industrial engineering technicians .....	70	0.1	50
Mechanical engineering technicians .....	180	0.1	13

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Combination utility services (SIC 4930) -- continued:			
Physical and life science technicians .....	1,010	0.7	(nc)
Chemical technicians, except health .....	350	0.2	12
Environmental science and protection technicians, including health .....	110	0.1	13
Nuclear technicians .....	550	0.4	12
Surveying, cartographic, photogrammetric, and mapping technicians .....	680	0.5	(nc)
Surveying and mapping technicians .....	580	0.4	4
Surveyors .....	100	0.1	15
Water supply (SIC 4940)			
Scientific and technical personnel.....	1,190	3.3	(nc)
Managers of scientific and technical personnel .....	310	0.9	(nc)
Computer and information systems managers .....	150	0.4	30
Engineering managers .....	160	0.5	7
Scientists .....	230	0.6	(nc)
Computer scientists .....	130	0.4	(nc)
Computer software, applications .....	40	0.1	13
Network and computer systems administrators .....	90	0.3	11
Physical scientists .....	100	0.3	(nc)
Chemists .....	40	0.1	12
Environmental scientists and specialists, including health .....	60	0.2	22
Engineers .....	290	0.8	(nc)
Civil .....	220	0.6	9
Electrical/electronics .....	30	0.1	(nc)
Electrical .....	30	0.1	27
Other engineers .....	40	0.1	(nc)
Environmental .....	40	0.1	17
Technicians .....	360	1.0	(nc)
Computer, numerical tool, and process control programmers .....	80	0.2	(nc)
Computer programmers .....	80	0.2	9
Engineering technicians .....	90	0.3	(nc)
Civil engineering technicians .....	90	0.3	8
Physical and life science technicians .....	190	0.5	(nc)
Chemical technicians, except health .....	140	0.4	16
Environmental science and protection technicians, including health .....	50	0.1	11

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Sanitary services (SIC 4950)			
Scientific and technical personnel.....	11,110	6.3	(nc)
Managers of scientific and technical personnel .....	840	0.5	(nc)
Engineering managers .....	840	0.5	8
Scientists .....	2,390	1.3	(nc)
Computer scientists .....	450	0.3	(nc)
Computer systems analysts .....	200	0.1	11
Network and computer systems administrators .....	160	0.1	14
Network systems/data communications analysts .....	90	0.1	18
Physical scientists .....	1,940	1.1	(nc)
Chemists .....	570	0.3	7
Environmental scientists and specialists, including health .....	1,050	0.6	12
Geoscientists, except hydrologists and geographers .....	150	0.1	16
Physicists .....	170	0.1	12
Engineers .....	4,600	2.6	(nc)
Civil .....	630	0.4	12
Electrical/electronics .....	190	0.1	(nc)
Electrical .....	190	0.1	15
Mechanical .....	550	0.3	9
Sales .....	230	0.1	25
Other engineers .....	3,000	1.7	(nc)
Chemical .....	210	0.1	3
Environmental .....	1,280	0.7	11
Nuclear .....	1,150	0.7	21
Safety .....	360	0.2	5
Technicians .....	3,280	1.9	(nc)
Engineering technicians .....	1,680	1.0	(nc)
Civil engineering technicians .....	190	0.1	10
Environmental engineering technicians .....	1,400	0.8	14
Mechanical engineering technicians .....	50	<	15
All other engineering technicians .....	40	<	(nc)
Transportation inspectors .....	40	<	29
Physical and life science technicians .....	1,600	0.9	(nc)
Chemical technicians, except health .....	370	0.2	13
Environmental science and protection technicians, including health .....	1,230	0.7	15
Steam and air-conditioning supply (SIC 4960)			
Scientific and technical personnel.....	30	1.5	(nc)
Managers of scientific and technical personnel .....	30	1.5	(nc)
Engineering managers .....	30	1.5	10

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Motor vehicles, parts, and supplies (SIC 5010)			
Scientific and technical personnel.....	5,170	1.0	(nc)
Managers of scientific and technical personnel .....	1,020	0.2	(nc)
Computer and information systems managers .....	660	0.1	6
Engineering managers .....	360	0.1	14
Scientists .....	910	0.2	(nc)
Computer scientists .....	720	0.2	(nc)
Computer software, applications .....	50	<	40
Computer systems analysts .....	230	0.1	18
Network and computer systems administrators .....	380	0.1	9
Network systems/data communications analysts .....	60	<	16
Mathematical scientists .....	50	<	(nc)
Operations and systems researchers and analysts .....	50	<	43
Social scientists .....	140	<	(nc)
Market research analysts .....	140	<	19
Engineers .....	1,310	0.3	(nc)
Industrial .....	450	0.1	25
Mechanical .....	640	0.1	17
Sales .....	220	<	46
Technicians .....	1,930	0.4	(nc)
Computer, numerical tool, and process control programmers .....	900	0.2	(nc)
Computer programmers .....	900	0.2	13
Drafters .....	30	<	(nc)
Architectural and civil drafters .....	30	<	26
Engineering technicians .....	1,000	0.2	(nc)
Electronical/electronics engineering technicians .....	430	0.1	33
Electro-mechanical technicians .....	110	<	27
Industrial engineering technicians .....	60	<	25
Mechanical engineering technicians .....	180	<	17
All other engineering technicians .....	220	<	(nc)
Transportation inspectors .....	220	<	26
Furniture and homefurnishings (SIC 5020)			
Scientific and technical personnel.....	980	0.6	(nc)
Managers of scientific and technical personnel .....	280	0.2	(nc)
Computer and information systems managers .....	250	0.2	6
Engineering managers .....	30	<	11
Scientists .....	340	0.2	(nc)
Computer scientists .....	200	0.1	(nc)
Network and computer systems administrators .....	200	0.1	6
Social scientists .....	140	0.1	(nc)
Market research analysts .....	140	0.1	21

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Furniture and homefurnishings (SIC 5020) -- continued:			
Engineers .....	120	0.1	(nc)
Industrial .....	40	<	18
Sales .....	80	0.1	26
Technicians .....	240	0.2	(nc)
Computer, numerical tool, and process control programmers .....	240	0.2	(nc)
Computer programmers .....	240	0.2	11
Lumber and construction materials (SIC 5030)			
Scientific and technical personnel.....	1,870	0.7	(nc)
Managers of scientific and technical personnel .....	330	0.1	(nc)
Computer and information systems managers .....	230	0.1	8
Engineering managers .....	100	<	11
Scientists .....	300	0.1	(nc)
Computer scientists .....	240	0.1	(nc)
Computer systems analysts .....	90	<	21
Network and computer systems administrators .....	150	0.1	8
Social scientists .....	60	<	(nc)
Market research analysts .....	60	<	16
Engineers .....	150	0.1	(nc)
Civil .....	50	<	27
Sales .....	100	<	15
Technicians .....	1,090	0.4	(nc)
Computer, numerical tool, and process control programmers .....	140	0.1	(nc)
Computer programmers .....	140	0.1	10
Drafters .....	740	0.3	(nc)
Architectural and civil drafters .....	670	0.2	16
Mechanical drafters .....	70	<	23
Engineering technicians .....	160	0.1	(nc)
Civil engineering technicians .....	30	<	37
Electronical/electronics engineering technicians .....	130	0.1	41
Physical and life science technicians .....	50	<	(nc)
Chemical technicians, except health .....	50	<	41
Professional and commercial equipment (SIC 5040)			
Scientific and technical personnel.....	116,760	13.0	(nc)
Managers of scientific and technical personnel .....	11,240	1.3	(nc)
Computer and information systems managers .....	9,240	1.0	10
Engineering managers .....	1,940	0.2	8
Natural sciences managers .....	60	<	24

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Professional and commercial equipment (SIC 5040) -- continued:			
Scientists .....	45,360	5.1	(nc)
Computer scientists .....	40,210	4.5	(nc)
Computer and information scientists, research .....	660	0.1	39
Computer software, applications .....	9,050	1.0	9
Computer software, systems .....	9,420	1.1	12
Computer systems analysts .....	11,560	1.3	7
Network and computer systems administrators .....	6,240	0.7	6
Network systems/data communications analysts .....	3,280	0.4	7
Mathematical scientists .....	1,040	0.1	(nc)
Operations and systems researchers and analysts .....	770	0.1	23
Statisticians .....	270	<	42
Physical scientists .....	90	<	(nc)
Chemists .....	90	<	27
Social scientists .....	4,020	0.5	(nc)
Market research analysts .....	4,020	0.5	5
Engineers .....	17,500	2.0	(nc)
Computer .....	2,060	0.2	12
Electrical/electronics .....	3,100	0.3	(nc)
Electrical .....	2,160	0.2	13
Electronics .....	940	0.1	17
Industrial .....	520	0.1	22
Mechanical .....	830	0.1	15
Sales .....	10,670	1.2	8
Other engineers .....	320	<	(nc)
Biomedical .....	260	<	35
Safety .....	60	<	19
Technicians .....	42,660	4.8	(nc)
Computer, numerical tool, and process control programmers .....	28,520	3.2	(nc)
Computer programmers .....	28,520	3.2	5
Drafters .....	410	<	(nc)
Architectural and civil drafters .....	130	<	22
Electrical and electronics drafters .....	90	<	34
Mechanical drafters .....	190	<	22
Engineering technicians .....	13,680	1.5	(nc)
Electronical/electronics engineering technicians .....	8,780	1.0	16
Electro-mechanical technicians .....	4,160	0.5	19
Industrial engineering technicians .....	280	<	33
Mechanical engineering technicians .....	460	0.1	19
Physical and life science technicians .....	50	<	(nc)
Chemical technicians, except health .....	50	<	39

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Metals and minerals, except petroleum (SIC 5050)			
Scientific and technical personnel.....	1,740	1.2	(nc)
Managers of scientific and technical personnel .....	300	0.2	(nc)
Computer and information systems managers .....	220	0.2	13
Engineering managers .....	80	0.1	11
Scientists .....	150	0.1	(nc)
Computer scientists .....	100	0.1	(nc)
Network and computer systems administrators .....	100	0.1	8
Social scientists .....	50	<	(nc)
Market research analysts .....	50	<	29
Engineers .....	420	0.3	(nc)
Industrial .....	40	<	21
Mechanical .....	50	<	15
Sales .....	240	0.2	17
Other engineers .....	90	0.1	(nc)
Metallurgical/metallurgists .....	90	0.1	29
Technicians .....	870	0.6	(nc)
Computer, numerical tool, and process control programmers .....	250	0.2	(nc)
Computer programmers .....	250	0.2	9
Drafters .....	320	0.2	(nc)
Architectural and civil drafters .....	220	0.2	14
Mechanical drafters .....	100	0.1	15
Engineering technicians .....	300	0.2	(nc)
Electronical/electronics engineering technicians .....	250	0.2	46
Electro-mechanical technicians .....	50	<	48
Electrical goods (SIC 5060)			
Scientific and technical personnel.....	50,670	9.4	(nc)
Managers of scientific and technical personnel .....	4,450	0.8	(nc)
Computer and information systems managers .....	1,960	0.4	6
Engineering managers .....	2,490	0.5	8
Scientists .....	6,480	1.2	(nc)
Computer scientists .....	5,720	1.1	(nc)
Computer software, applications .....	1,100	0.2	11
Computer software, systems .....	1,260	0.2	32
Computer systems analysts .....	1,090	0.2	14
Network and computer systems administrators .....	1,510	0.3	6
Network systems/data communications analysts .....	760	0.1	31
Mathematical scientists .....	130	<	(nc)
Operations and systems researchers and analysts .....	130	<	21
Social scientists .....	630	0.1	(nc)
Market research analysts .....	630	0.1	20

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Electrical goods (SIC 5060) -- continued:			
Engineers .....	22,330	4.2	(nc)
Aeronautical .....	60	<	47
Computer .....	480	0.1	21
Electrical/electronics .....	13,760	2.6	(nc)
Electrical .....	3,750	0.7	10
Electronics .....	10,010	1.9	13
Industrial .....	730	0.1	15
Mechanical .....	970	0.2	12
Sales .....	6,140	1.1	16
Other engineers .....	190	<	(nc)
Environmental .....	30	<	43
Metallurgical/metallurgists .....	90	<	28
Safety .....	70	<	32
Technicians .....	17,410	3.2	(nc)
Computer, numerical tool, and process control programmers .....	2,860	0.5	(nc)
Computer programmers .....	2,860	0.5	8
Drafters .....	680	0.1	(nc)
Architectural and civil drafters .....	140	<	22
Electrical and electronics drafters .....	440	0.1	27
Mechanical drafters .....	100	<	39
Engineering technicians .....	13,870	2.6	(nc)
Aerospace engineering and operations technicians .....	40	<	37
Electronical/electronics engineering technicians .....	11,860	2.2	8
Electro-mechanical technicians .....	1,610	0.3	11
Industrial engineering technicians .....	100	<	17
Mechanical engineering technicians .....	210	<	17
All other engineering technicians .....	50	<	(nc)
Audio and video equipment technicians .....	50	<	37
Hardware, plumbing, and heating equipment (SIC 5070)			
Scientific and technical personnel.....	5,630	1.9	(nc)
Managers of scientific and technical personnel .....	570	0.2	(nc)
Computer and information systems managers .....	380	0.1	9
Engineering managers .....	190	0.1	10
Scientists .....	680	0.2	(nc)
Computer scientists .....	590	0.2	(nc)
Computer software, applications .....	60	<	34
Computer systems analysts .....	140	0.1	18
Network and computer systems administrators .....	330	0.1	8
Network systems/data communications analysts .....	60	<	35
Social scientists .....	90	<	(nc)
Market research analysts .....	90	<	31

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Hardware, plumbing, and heating equipment (SIC 5070) -- continued:			
Engineers .....	2,600	0.9	(nc)
Electrical/electronics .....	220	0.1	(nc)
Electrical .....	140	0.1	11
Electronics .....	80	<	28
Industrial .....	140	0.1	36
Mechanical .....	1,250	0.4	21
Sales .....	950	0.3	12
Other engineers .....	40	<	(nc)
Environmental .....	40	<	40
Technicians .....	1,780	0.6	(nc)
Computer, numerical tool, and process control programmers .....	460	0.2	(nc)
Computer programmers .....	460	0.2	13
Drafters .....	190	0.1	(nc)
Mechanical drafters .....	190	0.1	33
Engineering technicians .....	1,130	0.4	(nc)
Electronical/electronics engineering technicians .....	660	0.2	16
Electro-mechanical technicians .....	330	0.1	26
Mechanical engineering technicians .....	140	0.1	19
Machinery, equipment, and supplies (SIC 5080)			
Scientific and technical personnel.....	25,390	3.2	(nc)
Managers of scientific and technical personnel .....	2,150	0.3	(nc)
Computer and information systems managers .....	1,100	0.1	7
Engineering managers .....	1,050	0.1	12
Scientists .....	2,030	0.3	(nc)
Computer scientists .....	1,720	0.2	(nc)
Computer software, applications .....	320	<	18
Computer software, systems .....	170	<	27
Computer systems analysts .....	260	<	13
Network and computer systems administrators .....	830	0.1	9
Network systems/data communications analysts .....	140	<	31
Mathematical scientists .....	30	<	(nc)
Operations and systems researchers and analysts .....	30	<	46
Physical scientists .....	70	<	(nc)
Chemists .....	70	<	38
Social scientists .....	210	<	(nc)
Market research analysts .....	210	<	17

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Machinery, equipment, and supplies (SIC 5080) -- continued:			
Engineers .....	10,950	1.4	(nc)
Aeronautical .....	260	<	23
Civil .....	40	<	41
Electrical/electronics .....	1,430	0.2	(nc)
Electrical .....	1,140	0.1	21
Electronics .....	290	<	21
Industrial .....	800	0.1	28
Mechanical .....	4,310	0.5	14
Sales .....	3,900	0.5	12
Other engineers .....	210	<	(nc)
Metallurgical/metallurgists .....	170	<	46
Safety .....	40	<	20
Technicians .....	10,260	1.3	(nc)
Computer, numerical tool, and process control programmers .....	1,400	0.2	(nc)
Computer programmers .....	1,240	0.2	14
Numerical tool and process control programmers .....	160	<	41
Drafters .....	850	0.1	(nc)
Architectural and civil drafters .....	450	0.1	39
Mechanical drafters .....	400	0.1	31
Engineering technicians .....	7,780	1.0	(nc)
Aerospace engineering and operations technicians .....	120	<	40
Electronical/electronics engineering technicians .....	4,310	0.5	11
Electro-mechanical technicians .....	2,290	0.3	13
Environmental engineering technicians .....	100	<	36
Industrial engineering technicians .....	220	<	21
Mechanical engineering technicians .....	700	0.1	11
All other engineering technicians .....	40	<	(nc)
Transportation inspectors .....	40	<	44
Physical and life science technicians .....	230	<	(nc)
Chemical technicians, except health .....	190	<	43
Geological and petroleum technicians .....	40	<	35
Miscellaneous durable goods (SIC 5090)			
Scientific and technical personnel.....	3,420	1.1	(nc)
Managers of scientific and technical personnel .....	590	0.2	(nc)
Computer and information systems managers .....	470	0.2	12
Engineering managers .....	120	<	9
Scientists .....	970	0.3	(nc)
Computer scientists .....	540	0.2	(nc)
Computer software, applications .....	90	<	24
Computer software, systems .....	40	<	45
Network and computer systems administrators .....	300	0.1	14
Network systems/data communications analysts .....	110	<	24

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Miscellaneous durable goods (SIC 5090) -- continued:			
Life scientists .....	190	0.1	(nc)
Foresters .....	190	0.1	40
Physical scientists .....	30	<	(nc)
Chemists .....	30	<	27
Social scientists .....	210	0.1	(nc)
Market research analysts .....	210	0.1	30
Engineers .....	540	0.2	(nc)
Electrical/electronics .....	90	<	(nc)
Electrical .....	40	<	35
Electronics .....	50	<	27
Industrial .....	30	<	8
Mechanical .....	110	<	17
Sales .....	270	0.1	47
Other engineers .....	40	<	(nc)
Safety .....	40	<	6
Technicians .....	1,320	0.4	(nc)
Computer, numerical tool, and process control programmers .....	690	0.2	(nc)
Computer programmers .....	690	0.2	9
Drafters .....	60	<	(nc)
Architectural and civil drafters .....	60	<	23
Engineering technicians .....	530	0.2	(nc)
Electronical/electronics engineering technicians .....	290	0.1	27
Electro-mechanical technicians .....	200	0.1	24
Mechanical engineering technicians .....	40	<	8
Physical and life science technicians .....	40	<	(nc)
Chemical technicians, except health .....	40	<	32
Paper and paper products (SIC 5110)			
Scientific and technical personnel.....	3,490	1.4	(nc)
Managers of scientific and technical personnel .....	670	0.3	(nc)
Computer and information systems managers .....	620	0.3	11
Engineering managers .....	50	<	23
Scientists .....	1,350	0.6	(nc)
Computer scientists .....	1,220	0.5	(nc)
Computer software, applications .....	350	0.1	27
Computer software, systems .....	80	<	13
Computer systems analysts .....	190	0.1	16
Network and computer systems administrators .....	410	0.2	13
Network systems/data communications analysts .....	190	0.1	26
Life scientists .....	40	<	(nc)
Foresters .....	40	<	36
Social scientists .....	90	<	(nc)
Market research analysts .....	90	<	26

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Paper and paper products (SIC 5110) -- continued:			
Engineers .....	230	0.1	(nc)
Electrical/electronics .....	40	<	(nc)
Electrical .....	40	<	46
Industrial .....	90	<	24
Mechanical .....	60	<	21
Sales .....	40	<	36
Technicians .....	1,240	0.5	(nc)
Computer, numerical tool, and process control programmers .....	980	0.4	(nc)
Computer programmers .....	980	0.4	18
Engineering technicians .....	260	0.1	(nc)
Electronical/electronics engineering technicians .....	150	0.1	35
Electro-mechanical technicians .....	80	<	40
Mechanical engineering technicians .....	30	<	16
Drugs, proprietaries, and sundries (SIC 5120)			
Scientific and technical personnel.....	9,740	3.5	(nc)
Managers of scientific and technical personnel .....	1,860	0.7	(nc)
Computer and information systems managers .....	1,330	0.5	9
Engineering managers .....	100	<	14
Natural sciences managers .....	430	0.2	33
Scientists .....	5,070	1.8	(nc)
Computer scientists .....	2,280	0.8	(nc)
Computer software, applications .....	510	0.2	30
Computer software, systems .....	200	0.1	24
Computer systems analysts .....	570	0.2	11
Network and computer systems administrators .....	650	0.2	8
Network systems/data communications analysts .....	350	0.1	18
Life scientists .....	1,000	0.4	(nc)
Biochemists and biophysicists .....	200	0.1	46
Medical scientists, except epidemiologists .....	800	0.3	27
Mathematical scientists .....	100	<	(nc)
Statisticians .....	100	<	36
Physical scientists .....	910	0.3	(nc)
Chemists .....	910	0.3	15
Social scientists .....	780	0.3	(nc)
Market research analysts .....	780	0.3	14
Engineers .....	290	0.1	(nc)
Electrical/electronics .....	70	<	(nc)
Electronics .....	70	<	36
Industrial .....	190	0.1	14
Other engineers .....	30	<	(nc)
Safety .....	30	<	39

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Drugs, proprietaries, and sundries (SIC 5120) -- continued:			
Technicians .....	2,520	0.9	(nc)
Computer, numerical tool, and process control programmers .....	1,770	0.6	(nc)
Computer programmers .....	1,770	0.6	9
Engineering technicians .....	260	0.1	(nc)
Electronical/electronics engineering technicians .....	90	<	46
Electro-mechanical technicians .....	170	0.1	33
Physical and life science technicians .....	490	0.2	(nc)
Biological technicians .....	110	<	39
Chemical technicians, except health .....	380	0.1	17
Apparel, piece goods, and notions (SIC 5130)			
Scientific and technical personnel.....	1,850	0.9	(nc)
Managers of scientific and technical personnel .....	360	0.2	(nc)
Computer and information systems managers .....	300	0.2	7
Engineering managers .....	60	<	19
Scientists .....	770	0.4	(nc)
Computer scientists .....	380	0.2	(nc)
Computer systems analysts .....	100	0.1	20
Network and computer systems administrators .....	240	0.1	10
Network systems/data communications analysis .....	40	<	27
Social scientists .....	390	0.2	(nc)
Market research analysts .....	390	0.2	24
Engineers .....	100	0.1	(nc)
Industrial .....	60	<	18
Sales .....	40	<	28
Technicians .....	620	0.3	(nc)
Computer, numerical tool, and process control programmers .....	620	0.3	(nc)
Computer programmers .....	620	0.3	21
Groceries and related products (SIC 5140)			
Scientific and technical personnel.....	5,970	0.7	(nc)
Managers of scientific and technical personnel .....	1,410	0.2	(nc)
Computer and information systems managers .....	1,240	0.1	3
Engineering managers .....	170	<	26
Scientists .....	2,460	0.3	(nc)
Computer scientists .....	1,650	0.2	(nc)
Computer software, applications .....	250	<	15
Computer systems analysts .....	460	0.1	14
Network and computer systems administrators .....	820	0.1	9
Network systems/data communications analysts .....	120	<	14

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Groceries and related products (SIC 5140) -- continued:			
Life scientists .....	260	<	(nc)
Agricultural scientists .....	260	<	27
Mathematical scientists .....	40	<	(nc)
Operations and systems researchers and analysts .....	40	<	19
Physical scientists .....	70	<	(nc)
Chemists .....	70	<	44
Social scientists .....	440	0.1	(nc)
Market research analysts .....	440	0.1	28
Engineers .....	250	<	(nc)
Industrial .....	100	<	21
Mechanical .....	70	<	14
Sales .....	80	<	11
Technicians .....	1,850	0.2	(nc)
Computer, numerical tool, and process control programmers .....	1,300	0.1	(nc)
Computer programmers .....	1,300	0.1	9
Engineering technicians .....	240	<	(nc)
Electronical/electronics engineering technicians .....	100	<	25
Electro-mechanical technicians .....	60	<	29
Industrial engineering technicians .....	80	<	29
Physical and life science technicians .....	310	<	(nc)
Agricultural and food science technicians .....	270	<	32
Biological technicians .....	40	<	46
Farm-product raw materials (SIC 5150)			
Scientific and technical personnel.....	740	0.8	(nc)
Managers of scientific and technical personnel .....	200	0.2	(nc)
Computer and information systems managers .....	160	0.2	10
Engineering managers .....	40	<	25
Scientists .....	360	0.4	(nc)
Computer scientists .....	130	0.1	(nc)
Computer software, applications .....	50	0.1	2
Network and computer systems administrators .....	80	0.1	11
Life scientists .....	230	0.2	(nc)
Agricultural scientists .....	230	0.2	27
Technicians .....	180	0.2	(nc)
Computer, numerical tool, and process control programmers .....	130	0.1	(nc)
Computer programmers .....	130	0.1	9
Physical and life science technicians .....	50	0.1	(nc)
Biological technicians .....	50	0.1	11

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Chemicals and allied products (SIC 5160)			
Scientific and technical personnel.....	5,070	3.3	(nc)
Managers of scientific and technical personnel .....	370	0.2	(nc)
Computer and information systems managers .....	210	0.1	12
Engineering managers .....	160	0.1	13
Scientists .....	1,750	1.1	(nc)
Computer scientists .....	570	0.4	(nc)
Computer software, applications .....	290	0.2	35
Computer systems analysts .....	60	<	14
Network and computer systems administrators .....	190	0.1	9
Network systems/data communications analysts .....	30	<	31
Physical scientists .....	1,040	0.7	(nc)
Chemists .....	1,040	0.7	16
Social scientists .....	140	0.1	(nc)
Market research analysts .....	140	0.1	34
Engineers .....	1,350	0.9	(nc)
Electrical/electronics .....	50	<	(nc)
Electrical .....	50	<	23
Industrial .....	100	0.1	22
Mechanical .....	150	0.1	19
Sales .....	480	0.3	19
Other engineers .....	570	0.4	(nc)
Chemical .....	260	0.2	12
Metallurgical/metallurgists .....	110	0.1	32
Petroleum .....	90	0.1	37
Safety .....	110	0.1	27
Technicians .....	1,600	1.0	(nc)
Computer, numerical tool, and process control programmers .....	230	0.2	(nc)
Computer programmers .....	230	0.2	11
Engineering technicians .....	450	0.3	(nc)
Electronical/electronics engineering technicians .....	140	0.1	21
Electro-mechanical technicians .....	220	0.1	29
Industrial engineering technicians .....	90	0.1	35
Physical and life science technicians .....	920	0.6	(nc)
Chemical technicians, except health .....	920	0.6	11
Petroleum and petroleum products (SIC 5170)			
Scientific and technical personnel.....	1,550	1.1	(nc)
Managers of scientific and technical personnel .....	250	0.2	(nc)
Computer and information systems managers .....	200	0.1	13
Engineering managers .....	50	<	25

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Petroleum and petroleum products (SIC 5170) -- continued:			
Scientists .....	430	0.3	(nc)
Computer scientists .....	270	0.2	(nc)
Computer software, applications .....	50	<	44
Computer systems analysts .....	60	<	17
Network and computer systems administrators .....	160	0.1	16
Physical scientists .....	100	0.1	(nc)
Chemists .....	100	0.1	21
Social scientists .....	60	<	(nc)
Market research analysts .....	60	<	30
Engineers .....	420	0.3	(nc)
Mechanical .....	70	0.1	19
Sales .....	250	0.2	21
Other engineers .....	100	0.1	(nc)
Chemical .....	40	<	30
Petroleum .....	60	<	20
Technicians .....	450	0.3	(nc)
Computer, numerical tool, and process control programmers .....	170	0.1	(nc)
Computer programmers .....	170	0.1	15
Engineering technicians .....	130	0.1	(nc)
Electronical/electronics engineering technicians .....	90	0.1	24
Electro-mechanical technicians .....	40	<	23
Physical and life science technicians .....	150	0.1	(nc)
Chemical technicians, except health .....	60	<	38
Geological and petroleum technicians .....	90	0.1	30
Beer, wine, and distilled beverages (SIC 5180)			
Scientific and technical personnel.....	790	0.5	(nc)
Managers of scientific and technical personnel .....	310	0.2	(nc)
Computer and information systems managers .....	310	0.2	5
Scientists .....	320	0.2	(nc)
Computer scientists .....	190	0.1	(nc)
Computer systems analysts .....	30	<	26
Network and computer systems administrators .....	160	0.1	6
Social scientists .....	130	0.1	(nc)
Market research analysts .....	130	0.1	20
Technicians .....	160	0.1	(nc)
Computer, numerical tool, and process control programmers .....	160	0.1	(nc)
Computer programmers .....	160	0.1	7

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Misc. nondurable goods (SIC 5190)			
Scientific and technical personnel.....	8,100	1.6	(nc)
Managers of scientific and technical personnel .....	1,310	0.3	(nc)
Computer and information systems managers .....	1,100	0.2	8
Engineering managers .....	110	<	18
Natural sciences managers .....	100	<	36
Scientists .....	3,410	0.7	(nc)
Computer scientists .....	1,650	0.3	(nc)
Computer software, applications .....	520	0.1	37
Computer systems analysts .....	280	0.1	16
Network and computer systems administrators .....	640	0.1	8
Network systems/data communications analysts .....	210	<	22
Life scientists .....	1,200	0.2	(nc)
Agricultural scientists .....	1,200	0.2	12
Mathematical scientists .....	70	<	(nc)
Operations and systems researchers and analysts .....	70	<	32
Physical scientists .....	80	<	(nc)
Chemists .....	40	<	24
Environmental scientists and specialists, including health .....	40	<	40
Social scientists .....	410	0.1	(nc)
Market research analysts .....	410	0.1	18
Engineers .....	140	<	(nc)
Computer .....	70	<	39
Industrial .....	70	<	40
Technicians .....	3,240	0.6	(nc)
Computer, numerical tool, and process control programmers .....	1,570	0.3	(nc)
Computer programmers .....	1,570	0.3	13
Engineering technicians .....	160	<	(nc)
Electronical/electronics engineering technicians .....	160	<	35
Physical and life science technicians .....	1,430	0.3	(nc)
Agricultural and food science technicians .....	1,210	0.2	14
Biological technicians .....	190	<	47
Chemical technicians, except health .....	30	<	30
Surveying, cartographic, photogrammetric, and mapping technicians .....	80	<	(nc)
Cartographers and photogrammetrists .....	80	<	48
Lumber and other building materials (SIC 5210)			
Scientific and technical personnel.....	4,610	0.7	(nc)
Managers of scientific and technical personnel .....	590	0.1	(nc)
Computer and information systems managers .....	500	0.1	15
Engineering managers .....	90	<	17

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Lumber and other building materials (SIC 5210) -- continued:			
Scientists .....	2,780	0.4	(nc)
Computer scientists .....	2,730	0.4	(nc)
Computer software, systems .....	1,720	0.3	38
Network and computer systems administrators .....	820	0.1	30
Network systems/data communications analysts .....	190	<	31
Social scientists .....	50	<	(nc)
Market research analysts .....	50	<	27
Engineers .....	360	0.1	(nc)
Industrial .....	70	<	29
Sales .....	290	<	31
Technicians .....	880	0.1	(nc)
Computer, numerical tool, and process control programmers .....	160	<	(nc)
Computer programmers .....	160	<	14
Drafters .....	720	0.1	(nc)
Architectural and civil drafters .....	720	0.1	10
Hardware stores (SIC 5250)			
Scientific and technical personnel.....	110	0.1	(nc)
Managers of scientific and technical personnel .....	40	<	(nc)
Computer and information systems managers .....	40	<	8
Scientists .....	40	<	(nc)
Computer scientists .....	40	<	(nc)
Network and computer systems administrators .....	40	<	11
Technicians .....	30	<	(nc)
Computer, numerical tool, and process control programmers .....	30	<	(nc)
Computer programmers .....	30	<	23
Retail nurseries and garden stores (SIC 5260)			
Scientific and technical personnel.....	30	<	(nc)
Technicians .....	30	<	(nc)
Drafters .....	30	<	(nc)
Architectural and civil drafters .....	30	<	16
Department stores (SIC 5310)			
Scientific and technical personnel.....	6,180	0.2	(nc)
Managers of scientific and technical personnel .....	1,280	0.1	(nc)
Computer and information systems managers .....	1,160	0.1	18
Engineering managers .....	120	<	16

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Department stores (SIC 5310) -- continued:			
Scientists .....	2,790	0.1	(nc)
Computer scientists .....	2,380	0.1	(nc)
Computer software, systems .....	200	<	23
Computer systems analysts .....	1,680	0.1	27
Network and computer systems administrators .....	370	<	10
Network systems/data communications analysts .....	130	<	13
Mathematical scientists .....	80	<	(nc)
Operations and systems researchers and analysts .....	80	<	50
Social scientists .....	330	<	(nc)
Market research analysts .....	330	<	17
Engineers .....	290	<	(nc)
Civil .....	50	<	33
Industrial .....	240	<	26
Technicians .....	1,820	0.1	(nc)
Computer, numerical tool, and process control programmers .....	1,480	0.1	(nc)
Computer programmers .....	1,480	0.1	18
Drafters .....	60	<	(nc)
Architectural and civil drafters .....	60	<	20
Engineering technicians .....	280	<	(nc)
Electronical/electronics engineering technicians .....	50	<	24
Mechanical engineering technicians .....	160	<	39
All other engineering technicians .....	70	<	(nc)
Audio and video equipment technicians .....	70	<	44
Grocery stores (SIC 5410)			
Scientific and technical personnel.....	3,890	0.1	(nc)
Managers of scientific and technical personnel .....	1,300	<	(nc)
Computer and information systems managers .....	1,160	<	17
Engineering managers .....	140	<	17
Scientists .....	1,630	0.1	(nc)
Computer scientists .....	1,470	0.1	(nc)
Computer software, applications .....	200	<	26
Computer software, systems .....	80	<	45
Computer systems analysts .....	790	<	20
Network and computer systems administrators .....	400	<	13
Social scientists .....	160	<	(nc)
Market research analysts .....	160	<	18
Engineers .....	60	<	(nc)
Industrial .....	60	<	15

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Grocery stores (SIC 5410) -- continued:			
Technicians .....	900	<	(nc)
Computer, numerical tool, and process control programmers .....	830	<	(nc)
Computer programmers .....	830	<	12
Drafters .....	70	<	(nc)
Architectural and civil drafters .....	70	<	18
Miscellaneous food stores (SIC 5490)			
Scientific and technical personnel.....	170	0.2	(nc)
Managers of scientific and technical personnel .....	40	0.1	(nc)
Computer and information systems managers .....	40	0.1	14
Scientists .....	30	<	(nc)
Computer scientists .....	30	<	(nc)
Network and computer systems administrators .....	30	<	14
Technicians .....	100	0.1	(nc)
Computer, numerical tool, and process control programmers .....	100	0.1	(nc)
Computer programmers .....	100	0.1	20
New and used car dealers (SIC 5510)			
Scientific and technical personnel.....	2,230	0.2	(nc)
Managers of scientific and technical personnel .....	560	0.1	(nc)
Computer and information systems managers .....	560	0.1	7
Scientists .....	430	<	(nc)
Computer scientists .....	370	<	(nc)
Network and computer systems administrators .....	370	<	10
Social scientists .....	60	<	(nc)
Market research analysts .....	60	<	37
Engineers .....	1,020	0.1	(nc)
Sales .....	1,020	0.1	28
Technicians .....	220	<	(nc)
Computer, numerical tool, and process control programmers .....	150	<	(nc)
Computer programmers .....	150	<	16
Engineering technicians .....	70	<	(nc)
All other engineering technicians .....	70	<	(nc)
Transportation inspectors .....	70	<	29

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Auto and home supply stores (SIC 5530)			
Scientific and technical personnel.....	530	0.1	(nc)
Managers of scientific and technical personnel .....	140	<	(nc)
Computer and information systems managers .....	140	<	13
Scientists .....	160	<	(nc)
Computer scientists .....	160	<	(nc)
Network and computer systems administrators .....	110	<	7
Network systems/data communications analysts .....	50	<	34
Technicians .....	230	0.1	(nc)
Computer, numerical tool, and process control programmers .....	230	0.1	(nc)
Computer programmers .....	230	0.1	16
Gasoline service stations (SIC 5540)			
Scientific and technical personnel.....	360	0.1	(nc)
Managers of scientific and technical personnel .....	140	<	(nc)
Computer and information systems managers .....	140	<	14
Scientists .....	110	<	(nc)
Computer scientists .....	60	<	(nc)
Network and computer systems administrators .....	60	<	19
Social scientists .....	50	<	(nc)
Market research analysts .....	50	<	33
Technicians .....	110	<	(nc)
Computer, numerical tool, and process control programmers .....	110	<	(nc)
Computer programmers .....	110	<	15
Boat dealers (SIC 5550)			
Scientific and technical personnel.....	30	0.1	(nc)
Managers of scientific and technical personnel .....	30	0.1	(nc)
Computer and information systems managers .....	30	0.1	17
Men's and boys' clothing stores (SIC 5610)			
Scientific and technical personnel.....	80	0.1	(nc)
Technicians .....	80	0.1	(nc)
Computer, numerical tool, and process control programmers .....	80	0.1	(nc)
Computer programmers .....	80	0.1	34

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Women's clothing stores (SIC 5620)			
Scientific and technical personnel.....	280	0.1	(nc)
Managers of scientific and technical personnel .....	90	<	(nc)
Computer and information systems managers .....	90	<	21
Scientists .....	120	<	(nc)
Computer scientists .....	60	<	(nc)
Network and computer systems administrators .....	60	<	18
Social scientists .....	60	<	(nc)
Market research analysts .....	60	<	14
Technicians .....	70	<	(nc)
Computer, numerical tool, and process control programmers .....	70	<	(nc)
Computer programmers .....	70	<	34
Children's and infants' wear stores (SIC 5640)			
Scientific and technical personnel.....	50	0.1	(nc)
Scientists .....	50	0.1	(nc)
Computer scientists .....	50	0.1	(nc)
Computer software, applications .....	50	0.1	35
Family clothing stores (SIC 5650)			
Scientific and technical personnel.....	670	0.2	(nc)
Managers of scientific and technical personnel .....	200	0.1	(nc)
Computer and information systems managers .....	160	<	12
Engineering managers .....	40	<	27
Scientists .....	190	<	(nc)
Computer scientists .....	140	<	(nc)
Network and computer systems administrators .....	140	<	14
Social scientists .....	50	<	(nc)
Market research analysts .....	50	<	27
Technicians .....	280	0.1	(nc)
Computer, numerical tool, and process control programmers .....	280	0.1	(nc)
Computer programmers .....	280	0.1	16
Shoe stores (SIC 5660)			
Scientific and technical personnel.....	590	0.3	(nc)
Managers of scientific and technical personnel .....	150	0.1	(nc)
Computer and information systems managers .....	150	0.1	14

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Shoe stores (SIC 5660) -- continued:			
Scientists .....	50	<	(nc)
Computer scientists .....	50	<	(nc)
Network and computer systems administrators .....	50	<	22
Technicians .....	390	0.2	(nc)
Computer, numerical tool, and process control programmers .....	310	0.2	(nc)
Computer programmers .....	310	0.2	13
Drafters .....	80	<	(nc)
Architectural and civil drafters .....	80	<	17
Misc. apparel and accessory stores (SIC 5690)			
Scientific and technical personnel.....	50	0.1	(nc)
Managers of scientific and technical personnel .....	50	0.1	(nc)
Computer and information systems managers .....	50	0.1	4
Furniture and homefurnishings stores (SIC 5710)			
Scientific and technical personnel.....	980	0.2	(nc)
Managers of scientific and technical personnel .....	300	0.1	(nc)
Computer and information systems managers .....	300	0.1	7
Scientists .....	220	<	(nc)
Computer scientists .....	220	<	(nc)
Computer systems analysts .....	40	<	25
Network and computer systems administrators .....	180	<	21
Technicians .....	460	0.1	(nc)
Computer, numerical tool, and process control programmers .....	200	<	(nc)
Computer programmers .....	200	<	14
Drafters .....	260	0.1	(nc)
Architectural and civil drafters .....	260	0.1	46
Radio, television, and computer stores (SIC 5730)			
Scientific and technical personnel.....	15,020	3.2	(nc)
Managers of scientific and technical personnel .....	1,360	0.3	(nc)
Computer and information systems managers .....	1,140	0.2	9
Engineering managers .....	220	0.1	16

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Radio, television, and computer stores (SIC 5730) -- continued:			
Scientists .....	8,210	1.7	(nc)
Computer scientists .....	7,940	1.7	(nc)
Computer software, applications .....	1,210	0.3	17
Computer software, systems .....	2,970	0.6	15
Computer systems analysts .....	1,150	0.2	30
Network and computer systems administrators .....	1,990	0.4	10
Network systems/data communications analysts .....	620	0.1	30
Social scientists .....	270	0.1	(nc)
Market research analysts .....	270	0.1	32
Engineers .....	860	0.2	(nc)
Electrical/electronics .....	240	0.1	(nc)
Electrical .....	120	<	19
Electronics .....	120	<	27
Mechanical .....	60	<	34
Sales .....	560	0.1	21
Technicians .....	4,590	1.0	(nc)
Computer, numerical tool, and process control programmers .....	4,250	0.9	(nc)
Computer programmers .....	4,250	0.9	12
Engineering technicians .....	340	0.1	(nc)
Electronical/electronics engineering technicians .....	210	<	15
All other engineering technicians .....	130	<	(nc)
Audio and video equipment technicians .....	130	<	36
Eating and drinking places (SIC 5810)			
Scientific and technical personnel.....	1,040	<	(nc)
Managers of scientific and technical personnel .....	200	<	(nc)
Computer and information systems managers .....	140	<	48
Engineering managers .....	60	<	26
Scientists .....	730	<	(nc)
Computer scientists .....	690	<	(nc)
Computer systems analysts .....	150	<	42
Network and computer systems administrators .....	540	<	29
Social scientists .....	40	<	(nc)
Market research analysts .....	40	<	21
Technicians .....	110	<	(nc)
Computer, numerical tool, and process control programmers .....	110	<	(nc)
Computer programmers .....	110	<	39

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Drug stores and proprietary stores (SIC 5910)			
Scientific and technical personnel.....	550	0.1	(nc)
Managers of scientific and technical personnel .....	160	<	(nc)
Computer and information systems managers .....	160	<	12
Scientists .....	220	<	(nc)
Computer scientists .....	160	<	(nc)
Network and computer systems administrators .....	160	<	16
Social scientists .....	60	<	(nc)
Market research analysts .....	60	<	24
Technicians .....	170	<	(nc)
Computer, numerical tool, and process control programmers .....	170	<	(nc)
Computer programmers .....	170	<	23
Miscellaneous shopping goods stores (SIC 5940)			
Scientific and technical personnel.....	4,530	0.4	(nc)
Managers of scientific and technical personnel .....	810	0.1	(nc)
Computer and information systems managers .....	770	0.1	12
Engineering managers .....	40	<	16
Scientists .....	2,680	0.2	(nc)
Computer scientists .....	2,080	0.2	(nc)
Computer software, applications .....	520	0.1	32
Computer software, systems .....	180	<	46
Computer systems analysts .....	380	<	14
Network and computer systems administrators .....	490	<	10
Network systems/data communications analysts .....	510	0.1	16
Mathematical scientists .....	40	<	(nc)
Operations and systems researchers and analysts .....	40	<	15
Social scientists .....	560	0.1	(nc)
Market research analysts .....	560	0.1	27
Engineers .....	40	<	(nc)
Industrial .....	40	<	28
Technicians .....	1,000	0.1	(nc)
Computer, numerical tool, and process control programmers .....	1,000	0.1	(nc)
Computer programmers .....	1,000	0.1	18

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Nonstore retailers (SIC 5960)			
Scientific and technical personnel.....	10,730	2.8	(nc)
Managers of scientific and technical personnel .....	1,330	0.4	(nc)
Computer and information systems managers .....	1,210	0.3	7
Engineering managers .....	120	<	13
Scientists .....	5,860	1.6	(nc)
Computer scientists .....	4,760	1.3	(nc)
Computer software, applications .....	1,100	0.3	22
Computer software, systems .....	890	0.2	29
Computer systems analysts .....	950	0.3	11
Network and computer systems administrators .....	1,070	0.3	7
Network systems/data communications analysts .....	750	0.2	10
Mathematical scientists .....	130	<	(nc)
Operations and systems researchers and analysts .....	70	<	21
Statisticians .....	60	<	44
Social scientists .....	970	0.3	(nc)
Market research analysts .....	970	0.3	10
Engineers .....	200	0.1	(nc)
Industrial .....	150	<	16
Mechanical .....	50	<	7
Technicians .....	3,340	0.9	(nc)
Computer, numerical tool, and process control programmers .....	3,120	0.8	(nc)
Computer programmers .....	3,120	0.8	13
Drafters .....	40	<	(nc)
Architectural and civil drafters .....	40	<	31
Engineering technicians .....	180	0.1	(nc)
Electronical/electronics engineering technicians .....	80	<	29
Industrial engineering technicians .....	70	<	28
All other engineering technicians .....	30	<	(nc)
Audio and video equipment technicians .....	30	<	37
Fuel dealers (SIC 5980)			
Scientific and technical personnel.....	90	0.1	(nc)
Managers of scientific and technical personnel .....	50	0.1	(nc)
Computer and information systems managers .....	50	0.1	10
Technicians .....	40	<	(nc)
Computer, numerical tool, and process control programmers .....	40	<	(nc)
Computer programmers .....	40	<	27

See explanatory information and SOURCE at end of table.

Table 8. Employed scientists, engineers, technicians (SETs), and SET managers,  
in SICs 40-59 (selected trade and regulated industries),  
and the relative standard error: 2001  
[Filled positions]

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Industry and SET occupation	Filled positions	SET intensity <sup>1</sup>	Relative standard error <sup>2</sup>
Retail stores, n.e.c. (SIC 5990)			
Scientific and technical personnel.....	980	0.2	(nc)
Managers of scientific and technical personnel .....	200	<	(nc)
Computer and information systems managers .....	200	<	12
Scientists .....	360	0.1	(nc)
Computer scientists .....	360	0.1	(nc)
Computer software, applications .....	70	<	35
Computer systems analysts .....	50	<	32
Network and computer systems administrators .....	210	<	15
Network systems/data communications analysts .....	30	<	24
Engineers .....	70	<	(nc)
Electrical/electronics .....	70	<	(nc)
Electronics .....	70	<	43
Technicians .....	350	0.1	(nc)
Computer, numerical tool, and process control programmers .....	220	<	(nc)
Computer programmers .....	220	<	17
Engineering technicians .....	130	<	(nc)
Electronical/electronics engineering technicians .....	130	<	36

<sup>1</sup> SET intensity = the ratio of SET employment (including SET managers) in a given SIC to total employment in that SIC, expressed in percentage terms.

<sup>2</sup> Relative standard error of the estimate of filled positions, expressed as a percentage.

KEY:

nc	= Not computed
<	= The estimated actual value is less than 0.05 for percentages when used to characterize SET intensity.
n.e.c.	= Not elsewhere classified.
SIC	= Standard Industrial Classification. See Technical Notes for explanation.

NOTE: Because of rounding, components may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, using data from U.S. Department of Labor/Bureau of Labor Statistics, Occupational Employment Statistics Survey.